



#12/C
B.D.
P-602

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Kazunori Ozawa

Serial No. 09/302,397

Group Art Unit 2654

Filed April 30, 1999

Examiner Angela A. Armstrong

For SPEECH CODING APPARATUS AND
SPEECH DECODING APPARATUS

RECEIVED

AUG 05 2002

Technology Center 2600

Box Non-Fee Amendment
Assistant Commissioner for Patents
Washington, D.C. 20231

SUPPLEMENTAL AMENDMENT UNDER 37 C.F.R. §1.111

Sir:

In addition to the Remarks made in the Amendment filed July 3, 2002, a copy of which is attached, please consider the follows:

The present invention claimed in claims 1-11 is not rejected under 35 U.S.C. 103(a) as being unpatentable over Kleijn et al. (U.S. Pat. No. 5,704,003) in view of Swaminathan et al. (U.S. Pat. No. 5,751,903) and Gershon et al. (U.S. Pat. No. 5,657,418), because the present invention has such distinguishable features, which are never disclosed in the cited references, as described below.

Namely, in claim 1 of the subject application, combinations of code vectors stored in the codebook and a plurality of shift amounts used to shift portions of the pulses are searched so as to output a combination of a code vector and shift amount which minimizes distortion relative to input speech.

In addition, in claim 3 of the subject application, combinations of code vectors stored in the codebook, a plurality of shift amounts used to shift portions of the pulses and gain code vectcors stored in the gain codebook are search as to output a combination of code vector, shift amount and gain code vector which minimizes distortion relative to input speech.

EA

The above-described features shown in claims 1 and 3 of the subject application are never disclosed in cite reference in the combination of the cited references.

It is believed that no extension fees are due with the filing of this Supplemental Amendment. The time for responding to the Office Action was extended one month, i.e., to August 2, 2002. If it is believed that any extension fees are due with the filing of this Supplemental Amendment, please charge Deposit Account No. 50-2041.

Respectfully submitted,



Michael E. Whitham

Reg. No. 32,635



30743

PATENT TRADEMARK OFFICE